



P.B.5818 - Patentlaan 2
2280 HV Rijswijk (ZH)
T (070) 3 40 20 40
TX 31651 epo nl
FAX (070) 3 40 30 16

Europäisches
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Département à
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Division de la
recherche

Patentanwälte
Ruff, Beier, Schöndorf und Mütschele
Willy-Brandt-Strasse 28
70173 Stuttgart
ALLEMAGNE



Datum/Date

11.04.96

Zeichen/Ref./Réf. A 29 957 PCT/EP	Anmeldung Nr./Application No./Demande n°//Patent Nr./Patent No./Brevet n°. 95906631.7
Anmelder/Applicant/Demandeur//Patentinhaber/Proprietor/Titulaire UNIVERSITY OF PITTSBURGH OF THE COMMONWEALTH SYSTEM	

COMMUNICATION

The European Patent Office herewith transmits

- the European search report
- the declaration under Rule 45 EPC
- the partial European search report under Rule 45 EPC
- the supplementary European search report concerning the international application under Article 157(2) EPC relating to the above-mentioned European patent application. Copies of the documents cited in the search report are enclosed.

The following specifications given by the applicant have been approved by the Search Division :

Abstract

Title

Figure

- The abstract was modified by the Search Division and the definitive text is attached to this communication.
- The following figure will be published with the abstract, since the Search Division considers that it better characterises the invention than the one indicated by the applicant.

Figure:



Additional copy(copies) of the documents cited in the European search report.



REFUND OF THE SEARCH FEE

If applicable under Article 10 Rules relating to fees, a separate communication from the Receiving Section on the refund of the search fee will be sent later.



European Patent
Office

**SUPPLEMENTARY
PARTIAL EUROPEAN SEARCH REPORT**

Application Number

which under Rule 45 of the European Patent Convention EP 95 90 6631
shall be considered, for the purposes of subsequent
proceedings, as the European search report

DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
0,X	ANNALS OF THE NEW YORK ACADEMY OF SCIENCES, vol. 716, 26 - 29 June 1993 NEW YORK, NY, USA, pages 72-89, XP 000565748 P. ROBBINS ET AL. 'Retroviral vectors for use in human gene therapy for cancer, Gaucher disease, and arthritis.' * page 80, line 28 - page 86, line 8 * * figures 1,7-9 * ---	1-28, 32-34, 38-40	A61K48/00 //C07K14/47, C12N15/86
X	ARTHRITIS AND RHEUMATISM, vol. 36, no. 9 suppl., September 1993 NEW YORK, NY, USA, page S46 XP 000565750 G. HUNG ET AL. 'Intraarticular expression of IRAP by gene transfer: Inhibition of IL-1-induced pathology.' * abstract 46 * ---	1,3,4, 10,16, 22,28 -/-	TECHNICAL FIELDS SEARCHED (Int.Cl.6) A61K C07K

INCOMPLETE SEARCH

The Search Division considers that the present European patent application does not comply with the provisions of the European Patent Convention to such an extent that it is not possible to carry out a meaningful search into the state of the art on the basis of some of the claims

Claims searched completely :

Claims searched incompletely :

Claims not searched :

Reason for the limitation of the search:

see sheet C

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Place of search EPO FORM 1501.02 (P04C10)	Date of completion of the search	Examiner
THE HAGUE	21 March 1996	Nooij, F
CATEGORY OF CITED DOCUMENTS		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons ----- & : member of the same patent family, corresponding document
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	ARTHRITIS AND RHEUMATISM, vol. 35, no. 9 suppl., September 1992 NEW YORK, NY, USA, page S193 XP 000563856 G. BANDARA ET AL. 'Intraarticular expression of IRAP by gene transfer.' see abstract C161 ---	1,3,4, 10,16, 22,28	
X	WO-A-92 11359 (UNIVERSITY OF PITTSBURGH ETC.) 9 July 1992 * the whole document *	1-4,10, 16,42,49	
X	PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE USA, vol. 90, no. 22, 15 November 1993 WASHINGTON, DC, USA, pages 10764-10768, G. BANDARA ET AL. 'Intraarticular expression of biologically active interleukin-1-receptor-antagonist protein by ex-vivo gene transfer.' * the whole document *	1,3,4, 10,16, 22,28	TECHNICAL FIELDS SEARCHED (Int.Cl.6)
0,X	JOURNAL OF CELLULAR BIOCHEMISTRY, SUPPLEMENT, vol. 0, no. 17 part E, 12 - 18 April 1993 NEW YORK, NY, USA, page 224 XP 000566581 G. BANDARA ET AL. 'Intraarticular expression of the interleukin-1 receptor antagonist protein by ex-vivo gene transfer.' * abstract SZ 101 *	1,3,4, 10,16, 22,28	
		-/-	



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
O,X	JOURNAL OF CELLULAR BIOCHEMISTRY, SUPPLEMENT, vol. 0, no. 16 part F, 3 - 9 April 1992 NEW YORK, NY, USA, page 46 XP 000566580 C. EVANS ET AL. 'Gene transfer to joints for arthritis therapy.' * abstract V 207 * ---	1,3,4, 10,16,28	
D,A	NATURE, vol. 344, no. 6267, 12 April 1990 LONDON, GB, pages 633-638, D. CARTER ET AL. 'Purification, cloning, expression and biological characterization of an interleukin-1 receptor antagonist protein.' * figure 2 * ---	1-54	TECHNICAL FIELDS SEARCHED (Int.Cl.)
A	WO-A-91 17184 (THE UPJOHN COMPANY) 14 November 1991 * claims * ---	1-54	
P,X	RECEPTOR, vol. 4, no. 1, 1994 CLIFTON, NY, USA, pages 9-15, XP 000565751 C. EVANS ET AL. 'The interleukin-1 receptor antagonist and its delivery by gene transfer.' * the whole document * ---	1-54	
		-/-	



DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int.Cl.6)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
P,X	WO-A-94 20517 (UNIVERSITY OF PITTSBURGH ETC.) 15 September 1994 * examples * * figures 1,2 * * claims * -----	1,3,4, 10,16, 22,28, 41,42, 46,48, 49,53	
TECHNICAL FIELDS SEARCHED (Int.Cl.6)			

**ANNEX TO THE EUROPEAN SEARCH REPORT
ON EUROPEAN PATENT APPLICATION NO.**

EP 95 90 6631

This annex lists the patent family members relating to the patent documents cited in the above-mentioned European search report.
The members are as contained in the European Patent Office EDP file on
The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information.

21-03-1996

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
WO-A-9211359	09-07-92	EP-A-	0563239	06-10-93
		JP-T-	6504440	26-05-94
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WO-A-9117184	14-11-91	AU-B-	7683391	27-11-91
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WO-A-9420517	15-09-94	EP-A-	0701563	20-03-96
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EP 95 90 6631

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Remark: Although all claims (i.e. claims 1-54) are directed to a method of treatment of the human/animal body (Art. 52(4) EPC) the search has been carried out and based on the alleged effects of the compound/composition